

Datasheet for ABIN6699850

FGF21 Protein[Go to Product page](#)**1** Image

Overview

Quantity:	5 µg
Target:	FGF21
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human Fibroblast Growth Factor-21 Recombinant Protein
Purification:	Fibroblast Growth Factor-21 purity was determined to be greater than 95% as determined by analysis by HpLC, UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Purity:	95,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by the dose-dependent proliferation of NIH 3T3 cells in the presence of 5 µg/mL FGF binding protein and is typically 0.12-0.6 µg/mL.

Target Details

Target:	FGF21
Alternative Name:	FGF21 (FGF21 Products)
Background:	Synonyms: FGFL Background: Fibroblast Growth Factors (FGFs) are a 22 member family of proteins known to be

Target Details

involved in angiogenesis, wound healing and embryonic development. As a family, they bind to heparin and signal through four receptor tyrosine kinases called, FGFR1, 2, 3 and 4. FGF-21 is most closely related to FGF-19 and shows low binding to heparin and is highly diffusible. Recombinant human FGF-21 is a non-glycosylated protein, containing 182 amino acids, with a molecular weight of 19.5 kDa.

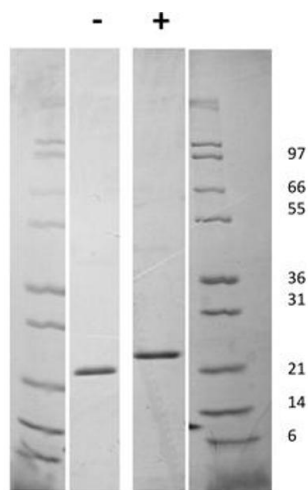
UniProt:	Q9NSA1
Pathways:	RTK Signaling

Application Details

Application Notes:	Other: User Optimized Application_Note: Fibroblast Growth Factor-21 Recombinant Protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-Fibroblast Growth Factor-21 in immunological assays.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 5 µL (5-50 µL)
Buffer:	Lyophilized in 0.1M Sodium Chloride and 0.01M Sodium Phosphate, pH 7.5.
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiry Date:	6 months



SDS-PAGE

Image 1. SDS-PAGE of Human Fibroblast Growth Factor-21 Recombinant Protein SDS-PAGE of Human Fibroblast Growth Factor-21 Recombinant Protein. Lane 1: Molecular weight marker. Lane 2: 1 µg Human FGF-21 in non-reducing conditions . Lane 3: 1 µg Human FGF-21 in reducing conditions (+). Lane 4: Molecular weight marker. Human FGF-21 is predicted have a MW of 19.5 kDa.